

Appendix table 4-52

Industrial R&D expenditure flows and industrial globalization R&D (IGRD) index, by sector and selected industries: 1998

Sector/industry	R&D expenditure flows and U.S. industrial R&D (millions of current U.S. dollars)			Sector/industry share (percent)			IGRD index ^b
	Foreign R&D	Overseas R&D	U.S. industrial R&D ^a	Foreign R&D	Overseas R&D	U.S. industrial R&D	
All	\$22,073	\$16,008	\$145,016	100	100	100	na
Manufacturing	18,256	—	—	83	NA	NA	NA
Chemicals	7,193	2,635	18,733	33	16	13	25
Machinery	725	741	5,831	3	5	4	4
Computers	4,509	1,585	31,873	20	10	22	15
Electronic equipment	898	109	2,139	4	1	1	2
Transportation equipment	2,678	4,273	20,677	12	27	14	19
Nonmanufacturing	3,817	—	—	17	NA	NA	NA
Professional and R&D services	685	384	11,440	3	2	8	3
Information	332	1,322	13,025	2	8	9	5

— = Data not tabulated under North American Industry Classification System (NAICS); na = not applicable; NA = not available

^aCompany-funded industrial R&D performed within company facilities in the United States funded from all sources except the Federal Government. Excludes R&D contracted out to other organizations.

^bIGRD index= (foreign R&D share + overseas R&D share)/2.

NOTES: Foreign R&D refers to R&D performed by U.S. affiliates of foreign companies in the United States. Overseas R&D refers to R&D performed by foreign affiliates of U.S. parent companies abroad.

See appendix tables 4-32, 4-47, and 4-51.

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